New Construction Logistics

Presented to: FLSIC

Presented by: Linda Stiles, PEO SHIPS-F3

Date: Mar 03

Table of Contents

Mission:

Development, management, execution and evaluation of all aspects of ILS for PEO SHIPS new construction programs

- Points of Contact
- COSAL Development Process
- SNAP Initialization Process
- SNAP Process to Sailaway and Post Sailaway
- SNAP Process at PSA and Post PSA

Points of Contact

Linda Stiles

> Fleet Support Logistics Director
>
> 202-781-2238
>
> stileslk@navsea.navy.mil

LCDR Eduardo Lopez

> Fleet Introduction Team Leader
>
> 202-781-4871
>
> lopezej@navsea.navy.mil

CDR Tom O'Dowd

> Deputy Fleet Support Logistics Director
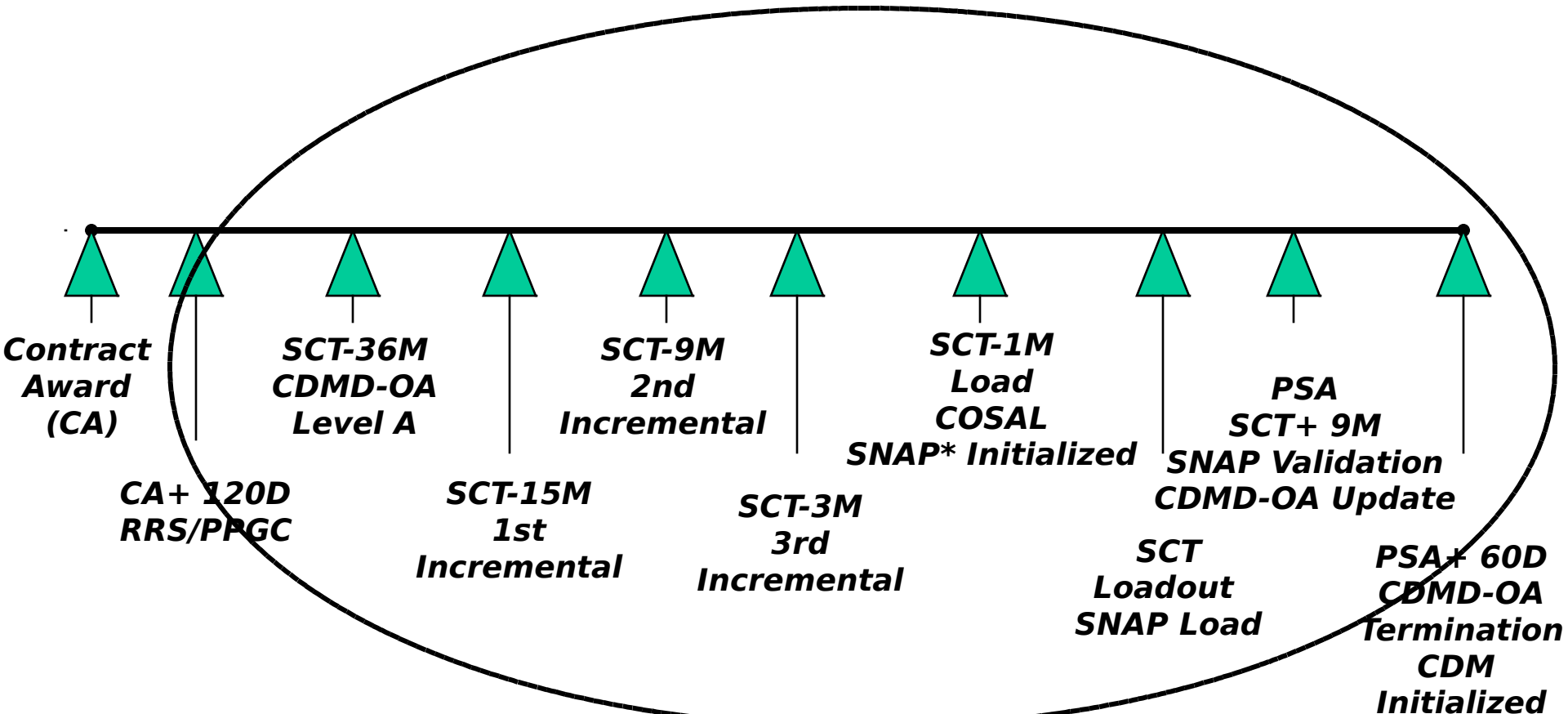>
> 202-781-3480
>
> odowdtb@navsea.navy.mil
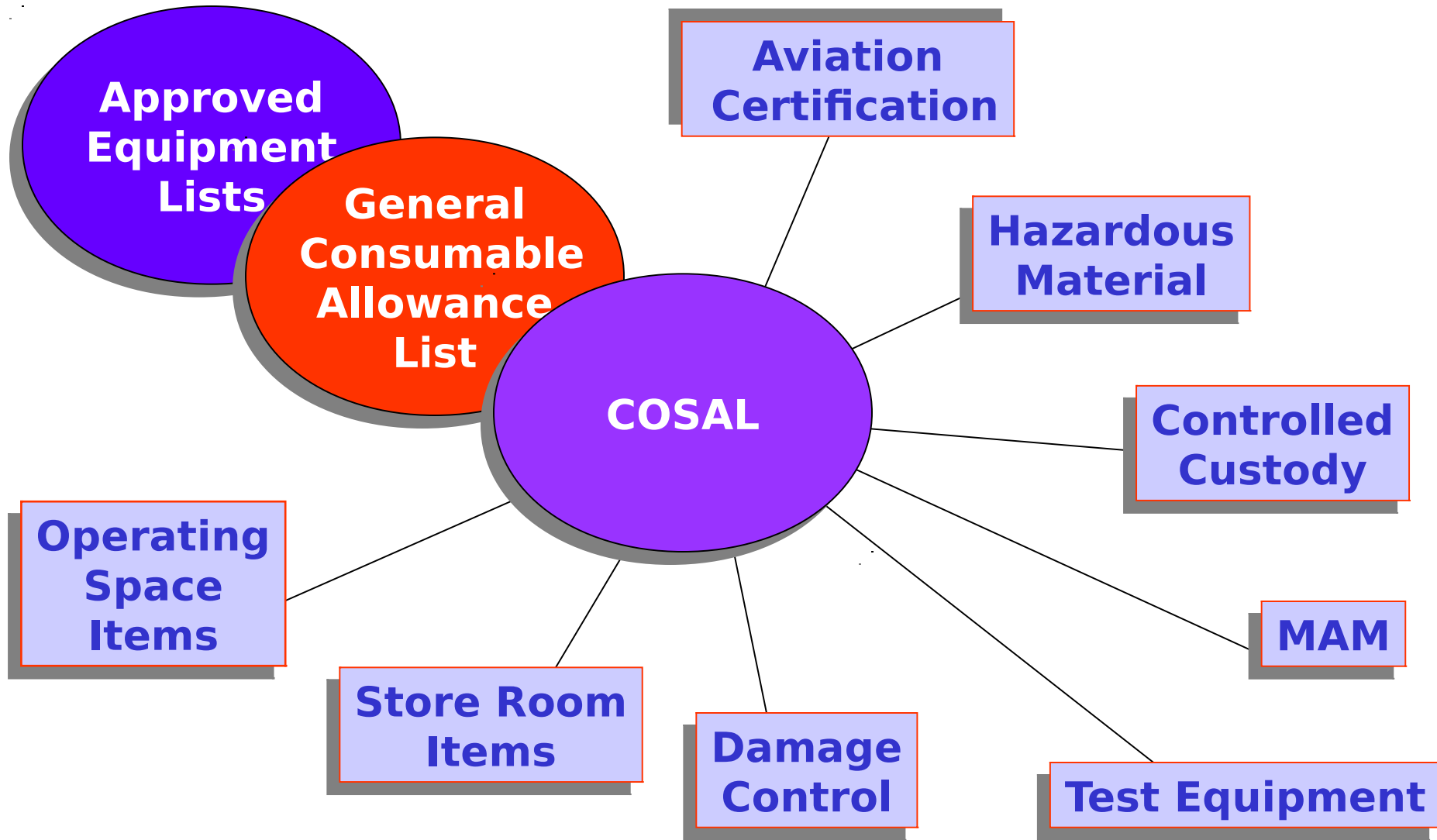
Eddie Martin

> On-Site Logistics Manager
>
> 228-769-4552
>
> martinte@peosnap.navy.mil

CDMD-OA/SNAP/CDM Database Buil

Contract Award (CA)

CA+ 120D RRS/PPGC

SCT-36M CDMD-OA Level A

SCT-15M 1st Incremental

SCT-9M 2nd Incremental

SCT-3M 3rd Incremental

SCT-1M Load COSAL SNAP* Initialized

SCT Loadout SNAP Load

PSA SCT+ 9M SNAP Validation CDMD-OA Update

PSA+ 60D CDMD-OA Termination CDM Initialized

* For the purpose of this presentation SNAP is synonymous with OPTIMIZED SNAP, OPTIMIZED NTCSS and NTCSS. (RADM, OMMS NG, RSUPPLY)

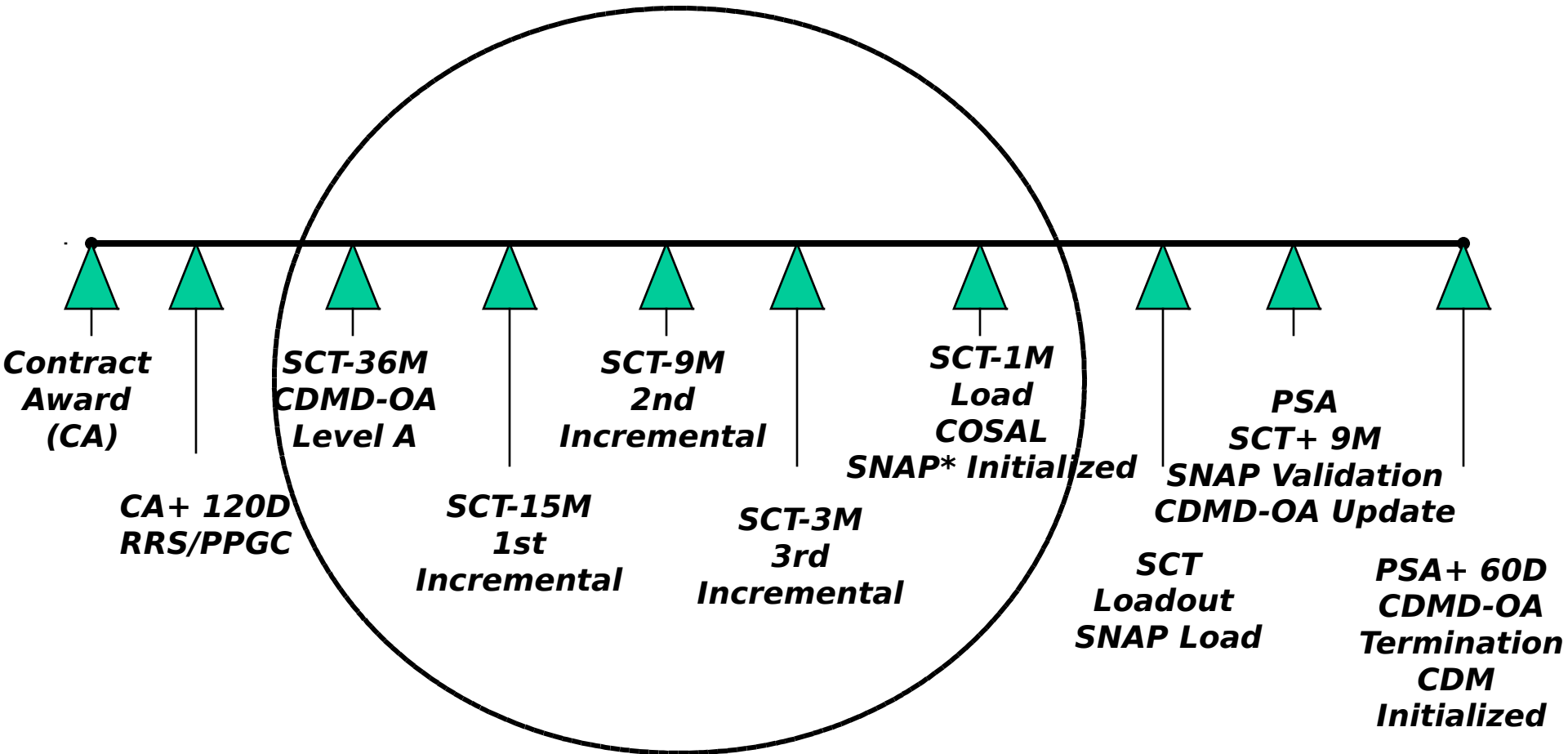# OBA Determination Models (Demand Based Sparing)

- Fleet Logistics Support Improvement Program (FLSIP)
  - Demand Based Models Which Considers Annual Demand and Shipboard Population Only
  - Does Not Consider Cost, Configuration, or Resupply Times
- FLSIP .25 - Parts with 1 Demand In 4 Yrs - Item is Allowed
- FLSIP .10 (MODFLSIP) - Parts with 1 Demand in 10 Yrs - Item is Allowed
- FLSIP .5 Plus - Parts with 1 Demand in 2 Yrs - Item is Allowed
  - Part added back if three CASREP hits on 2 ships in 4 yrs
  - Part added back if eight 3M hits on 2 ships in 2 yrs

FLSIP .5 PLUS IS CURRENTLY THE ONLY DEMAND BASED SPARING METHOD AUTHORIZED FOR COMPUTATION OF NEW COSALs

OBA Determination Models (Demand Based Sparing)

- RBS Models determine spares to a required availability target at least cost or spares to a dollar threshold at maximum availability
- AEGIS Optimization Model (AOM)
  - Used on the AEGIS Weapon System
  - Currently being extended across AEGIS platforms
- TIGER/Availability Centered Inventory Model (ACIM)
  - Currently used on ACS and HM&E systems on DDG 51 and some CG 47 Class ships
- All RBS Models take into account:
  - System Configuration
  - Failure Rates/Demand Factors
  - Duty Cycles
  - Item Cost
  - Quantity per end item
  - Requisition response time

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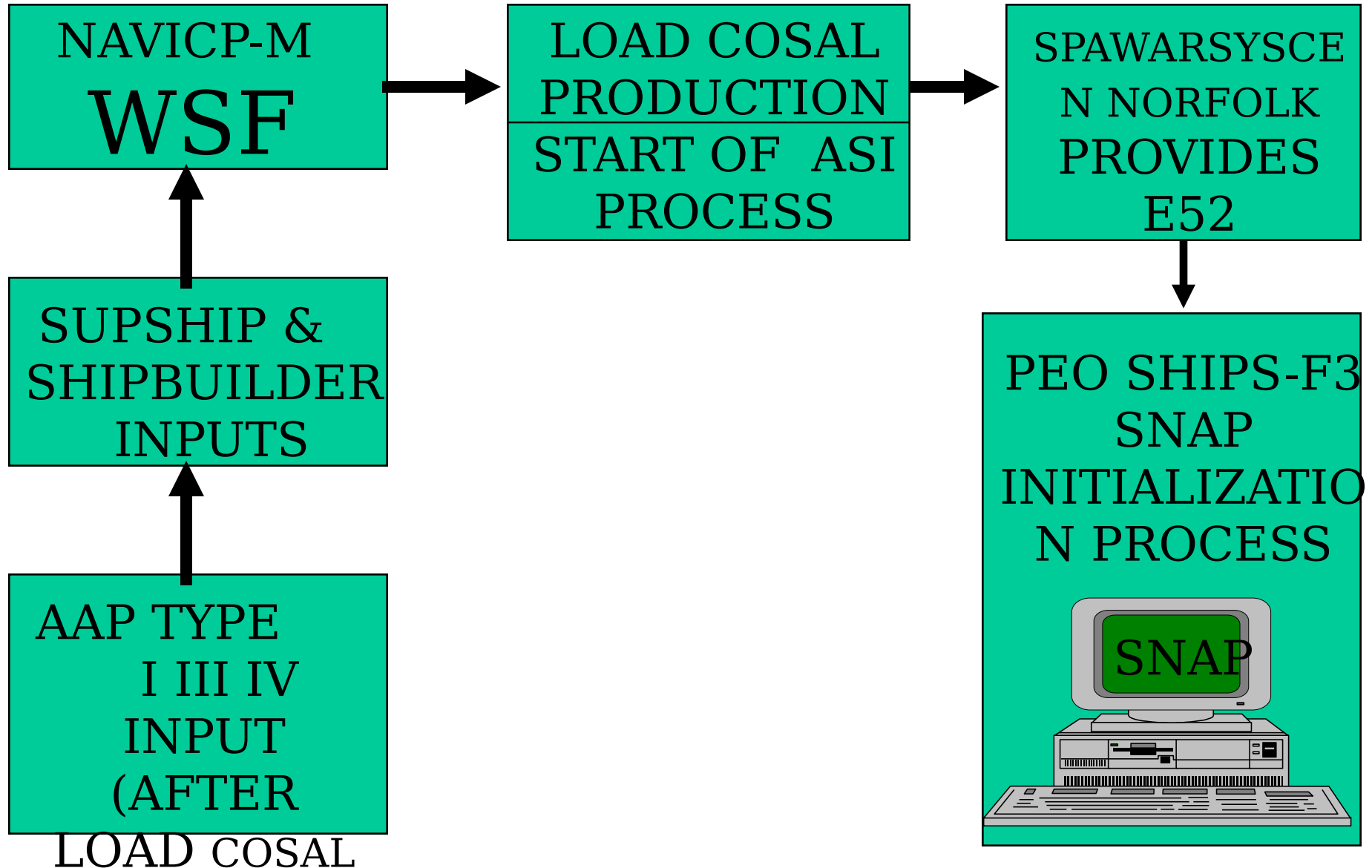CDM
Initialized

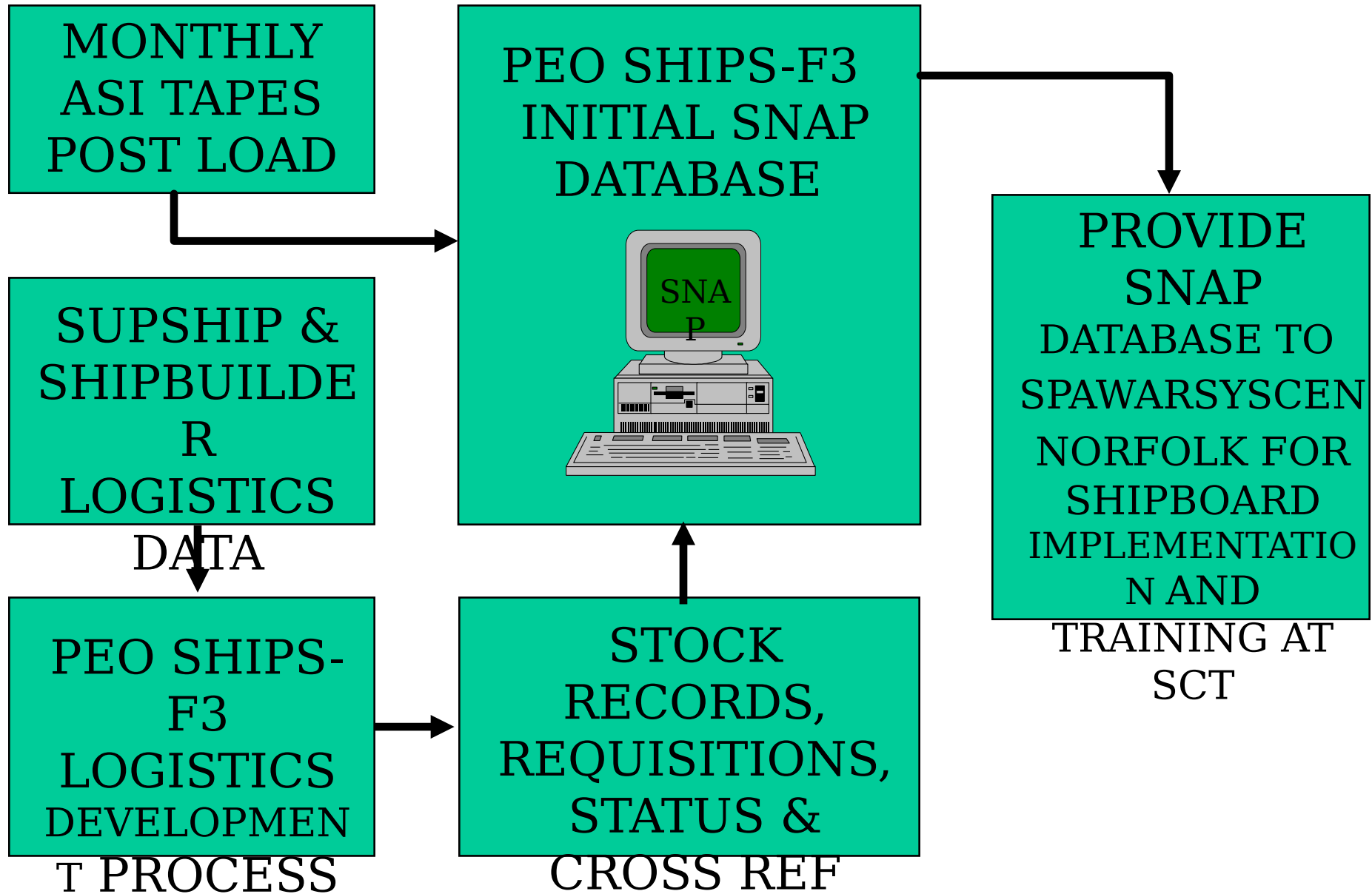*** For the purpose of this presentation SNAP is synonymous with OPTIMIZED SNAP, OPTIMIZED NTCSS and NTCSS. (RADM, OMMS NG, RSUPPLY)**

SNAP Initialization

NAVICP-M WSF → **LOAD COSAL PRODUCTION / START OF ASI PROCESS** → **SPAWARSYSCEN NORFOLK PROVIDES E52**

SUPSHIP & SHIPBUILDER INPUTS

AAP TYPE I III IV INPUT (AFTER LOAD COSAL

PEO SHIPS-F3 SNAP INITIALIZATION PROCESS

SNAP

Build Process For SPAWARSYSCEN Norfolk

MONTHLY ASI TAPES POST LOAD

PEO SHIPS-F3 INITIAL SNAP DATABASE

SNAP

PROVIDE SNAP DATABASE TO SPAWARSYSCEN NORFOLK FOR SHIPBOARD IMPLEMENTATION AND TRAINING AT SCT

SUPSHIP & SHIPBUILDER LOGISTICS DATA

PEO SHIPS-F3 LOGISTICS DEVELOPMENT PROCESS

STOCK RECORDS, REQUISITIONS, STATUS & CROSS REF

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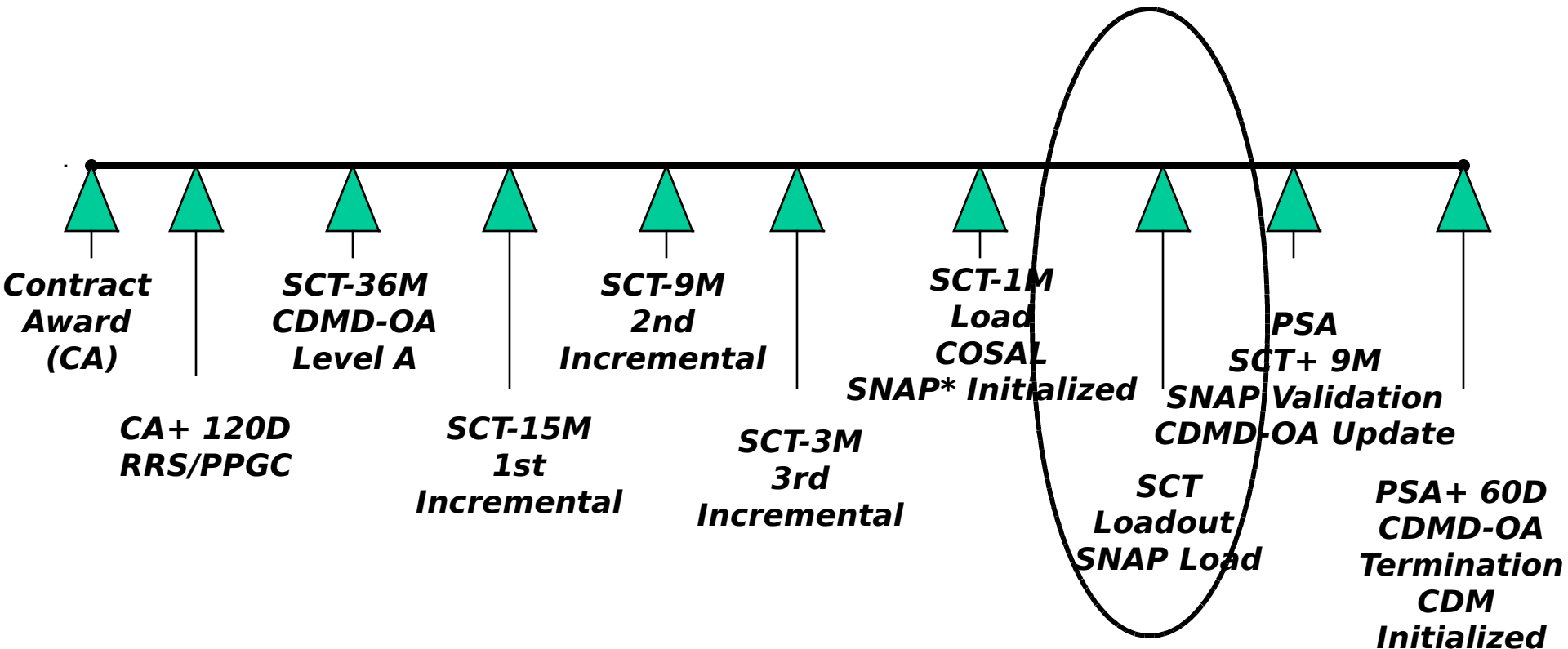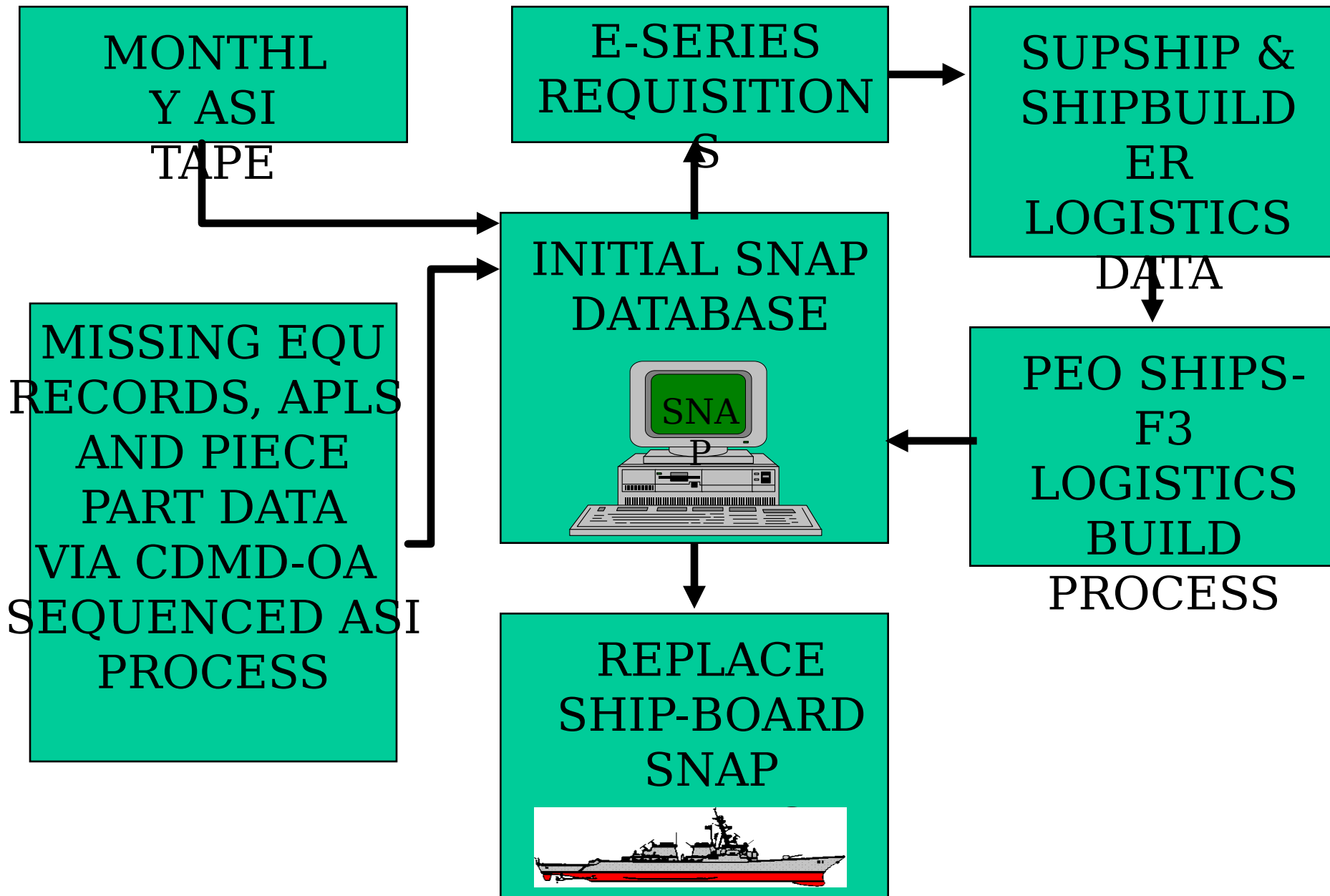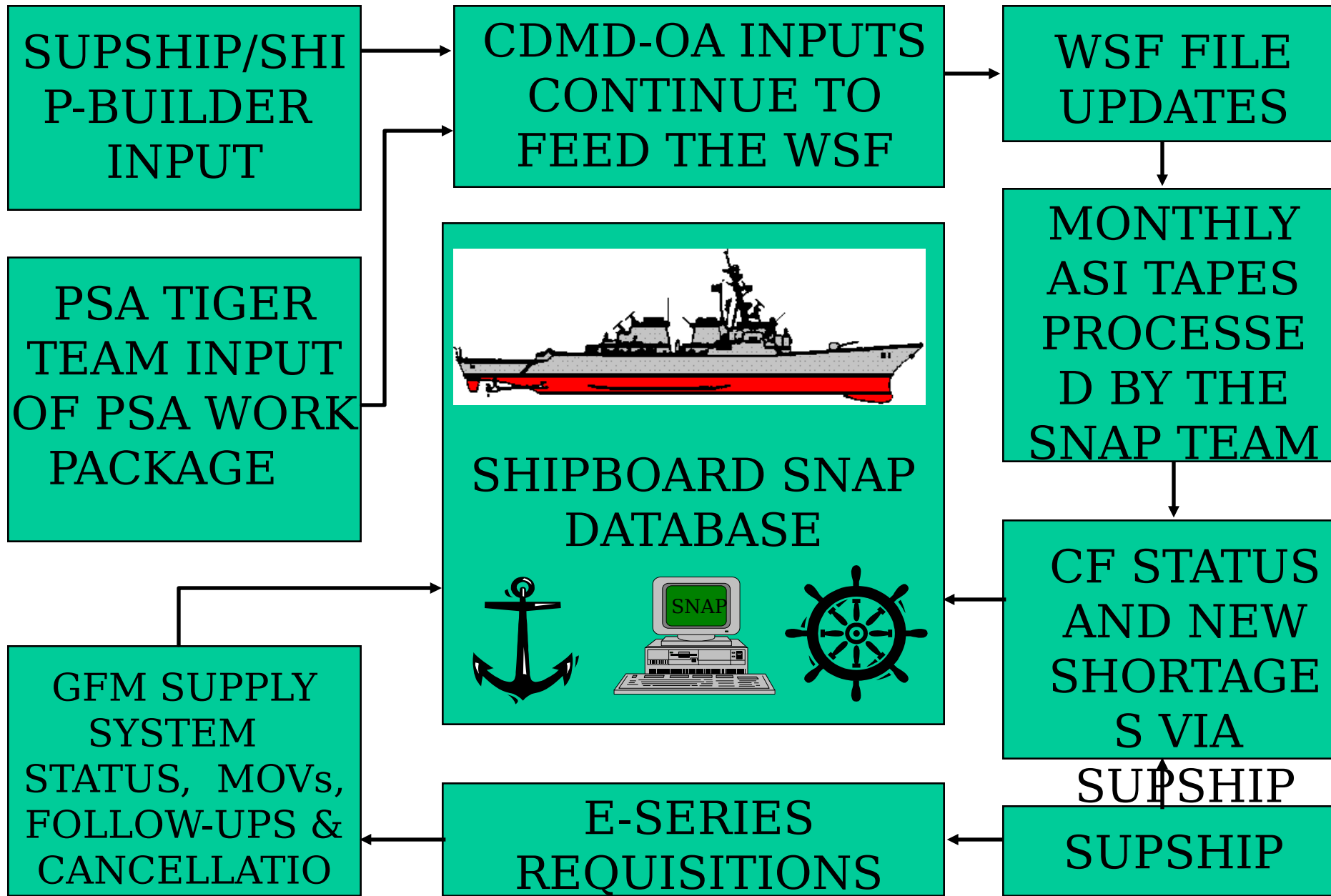
Update Process To Sailaway

MONTHLY ASI TAPE

E-SERIES REQUISITIONS

SUPSHIP & SHIPBUILDER LOGISTICS DATA

INITIAL SNAP DATABASE

SNAP

MISSING EQU RECORDS, APLS AND PIECE PART DATA VIA CDMD-OA SEQUENCED ASI PROCESS

PEO SHIPS-F3 LOGISTICS BUILD PROCESS

REPLACE SHIP-BOARD SNAP

SNAP Process Post Sailaway

SUPSHIP/SHIP-BUILDER INPUT

CDMD-OA INPUTS CONTINUE TO FEED THE WSF

WSF FILE UPDATES

PSA TIGER TEAM INPUT OF PSA WORK PACKAGE

SHIPBOARD SNAP DATABASE

MONTHLY ASI TAPES PROCESSED BY THE SNAP TEAM

CF STATUS AND NEW SHORTAGES VIA SUPSHIP

GFM SUPPLY SYSTEM STATUS, MOVs, FOLLOW-UPS & CANCELLATIONS

E-SERIES REQUISITIONS

SUPSHIP

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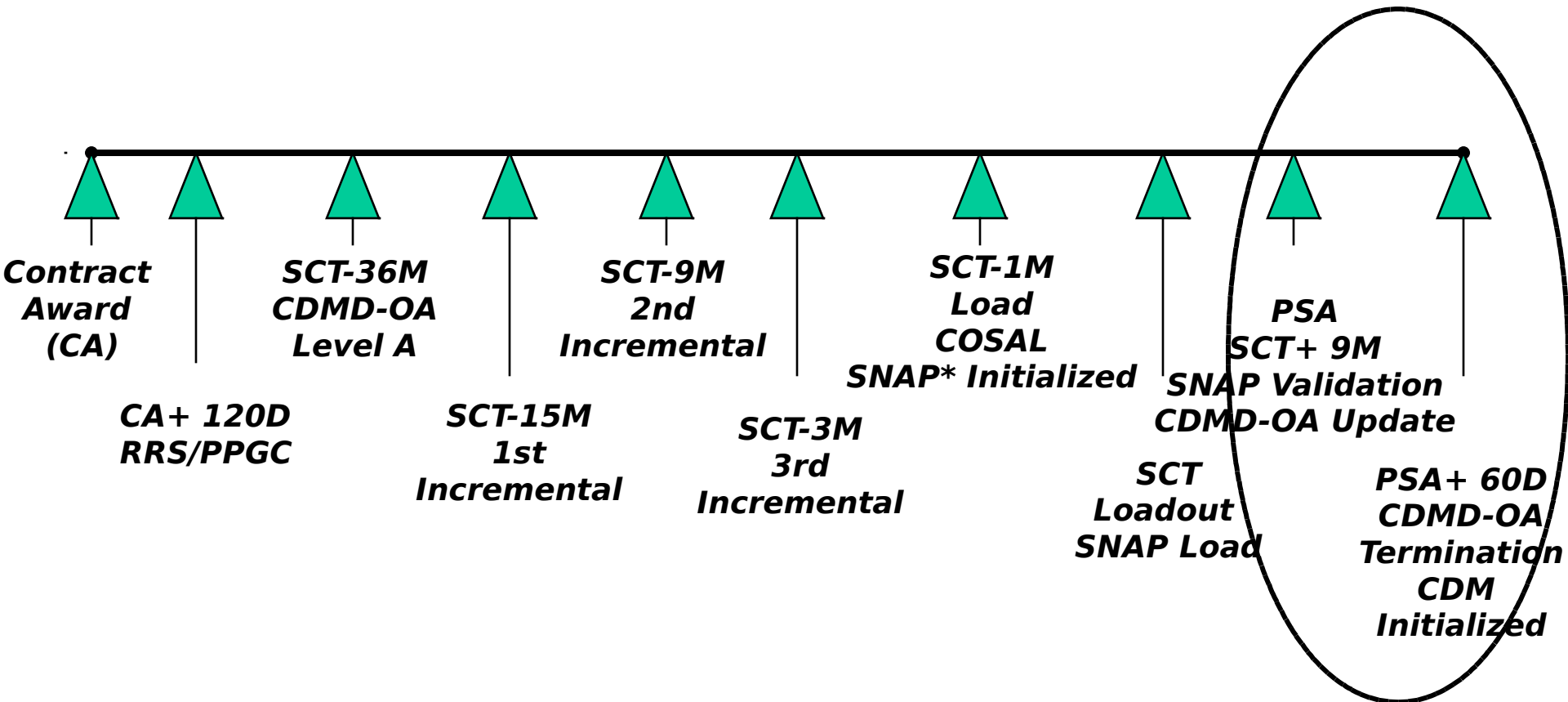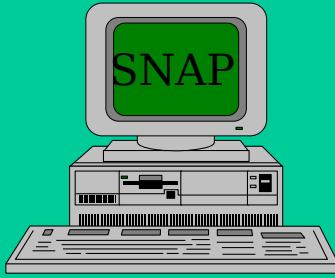
Comparison at End of PSA

BACKUP OF THE SHIPBOARD SNAP DATABASE

ASI TAPES - POST SAILAWAY

PEO SHIPS-F3 SNAP TEAM PERFORMS A COMPARISON BETWEEN THE SHIPBOARD SNAP DATABASE AND SUPSHIP / SHIPBUILDER DATA

IDENTIFYING 1109 / 1114 ADDITIONS AND SHORTAGE RECORD ADDITIONS

PSA Shipboard Update

FINAL 1109 TAPE

MANUAL INPUT OF RSUPPLY DELTA LISTING

SNAP

SHIPBOARD SNAP DATABASE

CONFIGURATION FILES UPDATED VIA SEQUENCED TAPE – STOCK RECORD, REQUISITIONING AND REQUISITIONING STATUS UPDATED VIA 1109 DATA -- PROCESSING OF DELTA

FINAL SDIF DATA TO CDM